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CENTRAL FAX CENTER 67,010-096
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Amendments to the Claims:

This listing of claims will replace all earlier versions and listings of claims in the application:

Listing of Claims:

1. (Original) A motor controller comprising:
an interface for manually entering values of a motor output;
an input power setting determining module that automatically determines a motor input power setting based upon entered motor output values; and
a display portion that provides a visual display of the determined motor input power setting.
2. (Original) The motor controller as recited in claim 1, wherein said values of motor output comprise a motor rating value.
3. (Original) The motor controller as recited in claim 1, wherein said values of motor output comprise a motor efficiency value.
4. (Original) The motor controller as recited in claim 1, wherein said values of motor output comprise an external current transformer value.
5. (Original) The motor controller as recited in claim 1, including a trip module that automatically interrupts power to the motor responsive to an actual motor input power exceeding a motor input trip value that is based at least in part upon a motor output trip value.
6. (Original) The motor controller as recited in claim 5, wherein the controller automatically determines said motor input trip value based upon an entered motor output trip value.

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7. (Original) The motor controller as recited in claim 1, wherein said interface selectively locks to prevent a user from changing a setting of the controller.
8. (Original) A machine assembly comprising:
 - a motor having associated values of motor output;
 - a device driven by said motor;
 - an input power setting determining module that automatically determines a motor input power setting, using the associated motor output values; and
 - a display portion that provides a visual display of the determined motor input power setting.
9. (Original) The machine assembly as recited in claim 8, wherein said values of motor output comprise a motor rating value.
10. (Original) The machine assembly as recited in claim 8, wherein said values of motor output comprise a motor efficiency value.
11. (Original) The machine assembly as recited in claim 8, wherein said device comprises a pump.
12. (Original) The machine assembly as recited in claim 8, including a trip module that automatically interrupts power to the motor responsive to an actual input power exceeding a motor input trip value that is based at least in part upon an entered motor output trip value.
13. (Original) The machine assembly as recited in claim 12, wherein the controller automatically determines said motor input trip value based upon an entered motor output trip value.

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14. (Original) The machine assembly as recited in claim 8, including an interface for allowing a user to manually enter the associated values.

15. (Original) The machine assembly as recited in claim 14, wherein said interface selectively locks to prevent a user from changing a setting.

16. (Previously Presented) A method of determining a motor input power setting comprising the steps of:
receiving values of a motor output including at least one of a motor rating value or a motor efficiency value; and

automatically determining a motor input power setting based upon the received values of motor output.

17. (Original) The method as recited in claim 16, comprising displaying the determined motor input power setting.

18. (Cancelled)

19. (Original) The method as recited in claim 16, comprising displaying the determined motor input power setting.

20. (Cancelled)

21. (New) The motor controller of claim 1, wherein the interface is configured to allow a user to manually confirm use of the determined motor input power setting as displayed on the display portion.

22. (New) The motor controller of claim 1, wherein the interface is configured to allow a user to manually change the input power setting from the determined motor input power setting displayed on the display portion.

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23. (New) The machine assembly of claim 8, comprising
an interface configured to allow a user to manually confirm the determined motor
input power setting displayed on the display portion.
24. (New) The machine assembly of claim 8, comprising
an interface configured to allow a user to manually change the determined motor
input power setting displayed on the display portion.
25. (New) A method of controlling a motor input power setting, comprising the steps
of:
manually entering a motor output value;
observing a displayed motor input power setting that is automatically determined
based upon the manually entered motor output value; and
manually setting the motor input power setting responsive to observing the
determined motor input power setting.
26. (New) The method of claim 20, wherein the motor output value comprises at
least one of a motor rating value or a motor efficiency value.